

# Straight Edges RAP1000, RB500, RB700 and RB1000

Welding and Maintenance Equipment



Pandrol Straight Edges are long-lasting, easy-to-use tools designed to ensure accurate alignment before aluminothermic welding takes place – and to check the grinding tolerance when it's complete.

Performing checks and adjustments is an important part of the welding and maintenance process, particularly on the ends of rails. Done right, it can help achieve perfect peak, horizontal and vertical alignment.

Straight Edge RAP1000 features flat and adjustable stops, and is designed for pre-welding adjustments. Use both sides of the tool to control level point, rail and web alignments with maximum accuracy.

Straight Edges RB500, RB700 and RB1000 are bevelled tools, and are designed to perform checks and adjustments on rail heads, webs and cant. Use them after welding to make sure the rail is completely flat.

## → TECHNICAL FEATURES

### **Laser-engraved graduation (RAP1000)**

Straight Edge RAP1000 has information laser-engraved on its strap to increase traceability.

### **Maximum stability (RAP1000)**

A magnetic stand ensures optimum stability, with stringers on either side of the tool to improve manipulation, flexibility and accuracy.

### **Adjustable height knobs (RAP1000)**

The tool's adjustable stops make it easy to set the level and align the rail head and web with precision.

### **Treated steel (RB500, RB700 and RB1000)**

The RB500, RB700 and RB1000 models are made from high-quality, strength-treated steel, which guarantees maximum durability in a range of working conditions.

### **Laser-engraved marking (RB500, RB700 and RB1000)**

Information is marked on the strap, with laser-engraved graduation for traceability and length checks.

### **Ergonomic handle (RB500, RB700 and RB1000)**

The models' anodised aluminium handle provides an ergonomic, durable grip, with a single fixation point to make sure the strip doesn't become deformed.

→ ADVANTAGES

**RAP1000**

- The Straight Edge RAP1000's laser-engraved strap provides all the information welders need for maximum traceability.
- The tool is easy to use, long-lasting and ergonomic, with a magnetic stand to make the measuring process as stable and controlled as possible.
- Strategically placed stringers maximise the accuracy of measurements, while adjustable stops guarantee precise setting for flawless alignment.

**RB500, RB700 and RB1000**

- The Straight Edge RB500, RB700 and RB1000 models feature laser-engraved graduation on their straps, giving welders all the information they need to maximise traceability and check the exact length of the grinding required.
- Made using top-quality, high-strength steel, these tools offer maximum levels of durability – perfect for repeated, hands-on use on the track.
- The RB500, RB700 and RB1000 are long-lasting and ergonomic, thanks to an anodised aluminium handle and single fixation point. Each model is built to make achieving consistently seamless results as easy as possible.

→ COMPONENTS



**RAP 1000**

1. Graduated setting wheel
2. Adjustable stands with knurled nuts
3. Magnet to hold the edge
4. Straight edge marking for traceability



**RB 1000**

1. Straight edge laser marking for traceability
2. Ergonomic anodised aluminium handle
3. Laser graduations
4. Treated steel

→ SPECIFICATIONS

Technical Data					
Description	1m steel straight edge – RP1000, calibrated	1m magnetic straight edge with adjustable stand – RAP1000, calibrated	0.5m bevelled straight edge – RB 500, calibrated	0.7m bevelled straight edge – RB1000, calibrated	1m bevelled straight edge – RB 1000, calibrated
Item number	19123024	19123022	19123021	19123023	19123020
Protective case	Included	Included	Included	Included	Included
Process step	Before welding	Before welding	After welding	After welding	After welding
Measure length	1000 mm	1000 mm	500 mm	700 mm	1000 mm
Protective case	Soft case (29123012)	PEHD case (42005001)			

Accessories	
42005001	PEHD protective case for one-metre Straight Edge tools (19123022 and 19123017)
29123012	Soft protective case for one-metre Straight Edge tool (19123024)
TOC00035	Rail wear gauge GAR 1

Services	
87010002	Straight edge RAP1000 with adjustable stands: control and calibration
SERV004	Straight edge RAP1000 with adjustable stands: control, machining and calibration
87010003	Bevelled straight edge: machining (up to 3mm), calibration and certificate
87010004	Bevelled straight edge: control and calibration

→ LEARN MORE



**Standard compliance**

Directive 2006/42/CE  
Machinery Directive European norm NF EN 13977



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V1 2022-2-16